FOR BUS APPLICATION

Model: EPC1900HB-J-Bus

19" Fanless Chassis Panel-PC, for Bus application

1280x1024, LED-1000nits, Intel Baytrail with Celeron-J1900 quad cores
4GB DRAM, 64GB SATA SSD, 1*VGA, 1*HDMI, 2*Gigabit-LAN, 4*USB
3*COM, Linux (Ubuntu) pre-installed Without touch or protected glass
Anti-Vibration & Shock+4G/LTE/GPS

FEATURES

- Modularize mechanical design provides flexible product configuration and easy maintenance
- Optional build-in touch screen for interactive application
- Available with auto-brightness sensor offers application in day and night
- VGA connector with optional AV,SV,AV-Looping
- Complete custom design/solution for OEM customers

SPECIFICATIONS

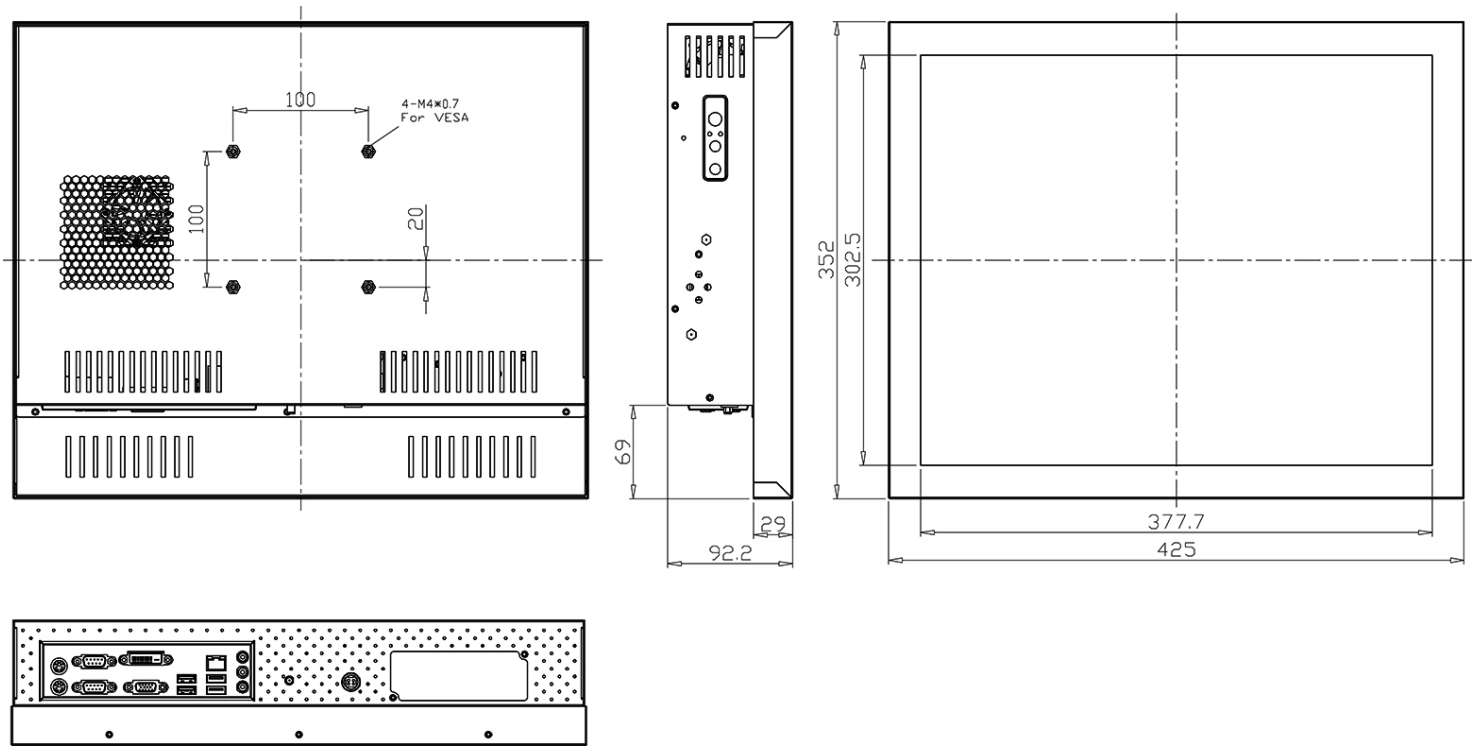
Panel	Cell Type / Glass Surface	TFT LCD / Black Anti-Glare, low re lection coating	
	Aspect Ratio / Size	4 : 3/ 19" viewable diagonal area	
	Active Area / Pixel Pitch	376.3(H) x 301.1(V) mm / 0.294(H) x 0.294(V) mm	
	Native Resolution / Colors	1280(H) x 1024(V) / 16.7 M	
	Brightness / Contrast	250 cd/m^2 (typ) / 800 : 1	
	Response Time	≤ 5 ms	
	Viewing Angle (typical)	H. 170o (- 85o ~ + 85o) , V. 160o(- 80o ~ + 80o)	
	Light Source	LED backlight, Long life, 35,000 hrs (typ)	
Input Sources	PC System	Signal	Analog RGB (0.7/1.0 V_{p-p}, 75 ohms)
		Sync	Separate Sync, Composite Sync, Sync On Green
		Frequency	F_h : 30 - 82Khz , F_v : 50 -75Hz
	Audio System	2W speaker x 2	
Input Terminals	1 x VGA (15 Pin Female D-Sub) , 1 x PC Audio (Stereo Headphone Jack) , 1 x DC Power Plug		
Convenient Features	Auto Calibration , Back Light Adjustment , Plug&Play (VESA DDC/CI, DDC 2B)		
	OSD Multi-Languages , Wall Mount Ready (VESA Dimension - please refer to Drawing)		
Power	Internal power supply with universal / Auto-Sensing, AC90 to 260V, 50/60 Hz		
Power Consumption	Operation / Power Saving	32.5 watt , < 2 watt (Support DPMS)	
Operating Condition	Temperature / Humidity	0°C ~ 50°C (32°F ~ 122°F) , 10% ~ 90% (no condensation)	
Storage Condition	Temperature / Humidity	- 20°C ~ 60°C (- 4°F ~ 140°F) , 10% ~ 90% (no condensation)	
Certifcation		FCC , CE	
Dimensions	Physical	Please refer to Drawing	
	Carton	W x H x D = TBD	
Weight	N.W. / G.W.	6 Kgs / 7 Kgs	
Container Loaded	20ft / 40ft / 40ft HQ	TBD (Sets , By pallet)	

Options	Touch	Video / TV	Enhanced Panel	Others
	Resistive touch	SV + AV	Panel with LED backlight	Digital Signage(Stand alone)
	Capacitive touch	SV + AV + AV_Looping	High brightness panel	Networking Digital Signage
	SAW touch	SV + AV + TV	Wide Temperature	Motion Sensor
	Infrared touch		Sunlight Readable	Light Sensor
	Protected glass			Auto-Dimming

FEATURES

- Intel® Atom BayTrail-M/D Chipset Intel® Celeron J1900
- Supports Dual Channel DDR3 1333MHz, 2 x SO-DIMM, up to 8GB system memory
- 3x COM (RS-232/422/485), 2 x COM (RS-232 onboard) 1 x HDMI, 1 x D-Sub, 1 x Dual Channel 24-bit LVDS
- 4x USB 3.0, 6 x USB 2.0, 2 x SATA2 Gigabit LAN : 2 x Realtek Lan

PC SPECIFICATIONS

System processor/Chipsets	Processor	Intel Celeron J1900
	FSB	N/A
	Chipset	Intel® Atom BayTrail
	BIOS	UEFI
Memory	Technonlgy	Dual Channel DDR3 1333 MHz SDRAM
	Max. Capacity	8GB
	Socket	2 x SO-DIMM
Display	Chipset	Intel® Gen7 Intel Graphics DX 11*, OGL3.2
	Video Memory	Shared Memory
	HDMI	Supports HDMI 1.3a, max resolution 1920x1200
	LVDS	Dual channel 24-bit, max resolution 1920 x 1200@60Hz
	VGA	Supports max. resolution 1920 x 1200
	Multi Display	Yes
Ethernet	Interface	10/100/1000 Mbps
	Controller	GbE LAN: 2 x Realtek RTL8111G-CG
SATA	Max. Data Transfer Rate	(6.0Gb/s), Supports RAID 0/1/5/10
	Port	2 x SATA2 (3.0Gb/s)
Expansion Slot	Mini PCIe	1 (Full Size)
Onboard Pin-Header	VGA	1 (shared with rear I/O VGA COM)
	USB2.0	6 (2 x USB 3.0 compliant, 4 x USB 2.0 compliant)
	LV D S	1
	Serial	2 (RS-232)
Rear I/O	VGA	1
	HDMI	1
	DVI-I	0
	COM	3 (RS-232/422/485)
	Display Port	0
	USB	4 (2 x USB 3.0 compliant, 2 x USB 2.0 compliant)
	LAN	2
	Audio Header	2 (Mic-in, Line-out)
	PS2	2 (1 x keyboard and 1 x mouse)
Power	Power	9-19V DC-In (4-pin ATX PWR Con)
Watchdog Timer	Interval	256 segments, 0,1,2…255sec/min
	Output	Output from super I/O to drag RESETCON#
Environment	Operating Temp.	-5°C~60°C (23°F~140°F)
	Storage Temp.	-20°C~80°C (-68°F~176°F)
	Relative Humidity	0%~95% (non-condensing)
Form Factor	Dimension (LxW)	170mm x 170mm (6.69" x 6.69")

MECHANICAL DRAWINGS